

Prediction of MPE Limit

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Equation from page 18

$$S = \frac{PG}{4\pi R^2}$$
$$R = \sqrt{\frac{PG}{4\pi S}}$$

S= power density
P= power input to the antenna
G= power gain of the antenna in the direction of interest relative to an isotropic radiator
R= distance to the center of radiation of the antenna

Choose



Occupational/Controlled

General Population/Uncontrolled

Tx Frequency: (MHz)

Maximum Peak Power at Antenna Input Terminal: (dBm)

Antenna gain : (dBi)

S= (mW/cm²)

P= (mW)

G= (numeric)

R = (cm)

**S (mw/cm²) at
specific distance
in cm**

39.46384314

Enter distance desired in cm
<input type="text" value="20"/>